

Customer No.: 31561
Application No.: 10/709,989
Docket No.: 12960-US-PA

To the specification:

[0037] Referring to FIG. 1, the cold cathode fluorescent flat lamp (CCFFL) 100 comprises, for example but not limited to, a cavity 102, a discharge gas 104, a fluorescence material 106, first electrode pairs 108 and second electrode pairs 110, wherein the first electrode pairs 108 are separated from the second electrode pairs 110.

The cavity 102 comprises a first inner wall and a second inner wall opposite to the first inner wall. In the present embodiment, the cavity 102 comprises, for example but not limited to, a first substrate 112, a second substrate 114 disposed over the first substrate 112 and a side bar 116 connected to an edge of the first substrate 112 and an edge of the second substrate 114. Therefore, in the present embodiment, the first inner wall may be the first substrate 112, and the second inner wall may be the second substrate 114.

[0039] The first electrode pairs 108 is disposed over the first inner wall of the cavity 102, for example but not limited to, over the first substrate 112. For example, each of first electrode pairs 108 comprises a first anode 120 (as the "+" shown in FIG. 1) and a first cathode 130 (as the "-" shown in FIG. 1). In one embodiment of the invention, the first anodes 120 and the second cathodes 130 are arranged in a sequence in the order of anode, cathode, cathode and anode over the first substrate 112 as shown in FIG. 1.

The second electrode pair 110 is disposed over the second inner wall of the cavity 102,

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for example but not limited to, over the second substrate 114. Each second electrode pair 110 may comprise a second anode 122 and a second cathode 132. Alternatively, the first electrode pairs 108 and the second electrode pair 110 may be disposed over an outer wall of the cavity 102 (as shown in dash line in FIGS 1 and 2). In one embodiment of the invention, a sequence of arranging the second anodes 122 and the second cathodes 132 over the second substrate 114 is similar or identical to a sequence of arranging the first anodes 120 and second cathodes 130 over the first substrate 112 described above.